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Product datasheet for RC225281

CCNQ (NM_001130997) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCNQ (NM_001130997) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CCNQ
Synonyms:	CycM; FAM58A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC225281 representing NM_001130997
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAAGCCCCGGAGGGCGGCGGAGGGGGGCCTGCAGCGCGGGGCCCGGAGGGGCAGCCGGCGCCCGAAG
CCAGGGTGCACTTCCGAGTGGCGAGGTTCATCATGGAGGCAGGTGTCAAGCTAGGGATGCGGTCCATTCC
CATTGCCACTGCTTGCACCATTTACCATAAGTTCTTTTGCGAGACCAACCTGGACGCCTATGACCCTTAC
CTGATTGCCATGTCTTCAATTTACTTGGCCGGCAAAGTGGAAGAGCAGCACCTGCGGACTCGTGACATCA
TCAATGTGTCCAACAGGTACTTTAACCCAAGCGGTGAGCCCCTGGAATTGGACTCCCGCTTCTGGGAACT
CCGGGACAGCATCGTGCAGTGTGAGCTTCTCATGCTGAGAGTTCTGCGCTTCCAGGTCTCCTTCCAGCAT
CCACACAAGTACCTGCTCCACTACCTGGTTTCCCTCCAGAACTGGCTGAACCGCCACAGCTGGCAGCGGA
CCCCTGTTGCCGTCACCGCCTGGGCCCTGCTGCGGGACAGCTACCATGGGGCGCTGTGCCTCCGCTTCCA
GGCCCAGCACATCGCCGTGGCGGTGCTCTACCTGGCCCTGCAGGTCTACGGAGTTGAGGTGCCCGCCGAG
GTCGAGGCTGAGAAGCCGTGGTGGCAGATTTATACCATGGACACAGAGATCCCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

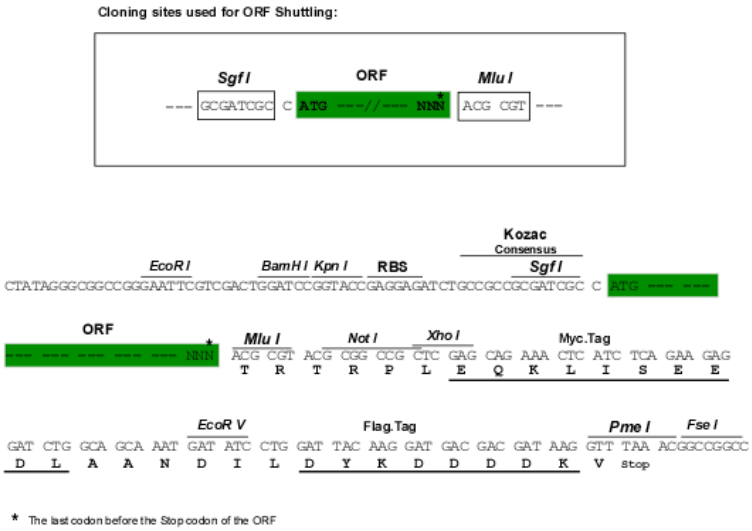
>RC225281 representing NM_001130997
Red=Cloning site Green=Tags(s)

MEAPEGGGGGPAARGPEGQPAPEARVHFRVARFIMEAGVKLGMRSIPIATACTIYHKFFCETNLDAYDPY
LIAMSSIYLAGKVEEQHLRTRDIINVSNRYFNPSGEPLELDSRFWELRDSIVQCELLMLRVLRFQVSFQH
PHKYLLHYLVSLQNWLNRHSWQRTPVAVTAWALLRDSYHGALCLRFQAQHIAVAVLYLALQVYGVEVPAE
VEAEKPWWQIYTMDTEIP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001130997

ORF Size: 684 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method: 1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: NM_001130997.3

RefSeq ORF: 687 bp

Locus ID: 92002

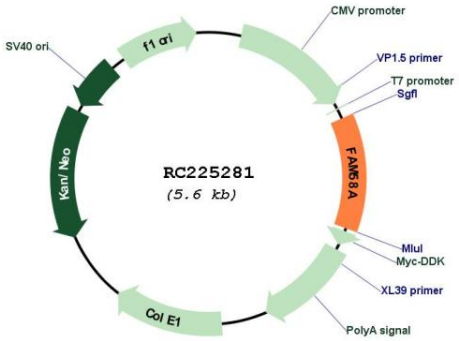
UniProt ID: Q8N1B3

Cytogenetics: Xq28

MW: 25.9 kDa

Gene Summary: Mutations in this gene have been shown to cause an X-linked dominant STAR syndrome that typically manifests syndactyly, telecanthus and anogenital and renal malformations. The protein encoded by this gene contains a cyclin-box-fold domain which suggests it may have a role in controlling nuclear cell division cycles. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Oct 2008]

Product images:



Circular map for RC225281